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**UserID:** dmariam  
**Computer:** WS07216  
**Date:** 2/6/07  
**Time:** 9:16 AM

Serial #	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	IS&R	L1	4302	(382/115-116,124,190,209,218).CCLS.	US- PGPUB; USPAT	2007/02/06 08:45	
2	IS&R	L2	1352	(235/382).CCLS.	US- PGPUB; USPAT	2007/02/06 08:45	
3	IS&R	L3	72	(283/69).CCLS.	US- PGPUB; USPAT	2007/02/06 08:45	
4	IS&R	L4	1061	(340/5.2,5.53,5.54,5.81).CC LS.	US- PGPUB; USPAT	2007/02/06 08:45	
5	IS&R	L5	959	(356/71).CCLS.	US- PGPUB; USPAT	2007/02/06 08:46	
6	BRS	L6	1760	(characteristic\$1 or finger\$7 or palm\$7 or biometric\$1 or biological\$2) same (pulse\$1 or wave or physiolog\$5) same imag\$3 same (verif\$6 or authent\$6 or match\$3 or collat\$4 or compar\$6)	US- PGPUB; USPAT	2007/02/06 08:49	
7	BRS	L7	543	6 same (person\$4 or individual\$1 or human\$2 or operator\$2 or user\$2 or supervisor\$2 or employee\$3 or travel\$5 or intrud\$3 or terror\$5 or criminal\$2)	US- PGPUB; USPAT	2007/02/06 09:01	

Index	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
8	BRS	L8	36	7 same (index\$1 or index\$3)	US- PGPUB; USPAT	2007/02/06 08:51	
9	BRS	L11	0	3 and 8	US- PGPUB; USPAT	2007/02/06 08:51	
10	BRS	L12	0	4 and 8	US- PGPUB; USPAT	2007/02/06 08:51	
11	BRS	L9	3	1 and 8	US- PGPUB; USPAT	2007/02/06 08:52	
12	BRS	L10	2	2 and 8	US- PGPUB; USPAT	2007/02/06 08:53	
13	BRS	L13	1	5 and 8	US- PGPUB; USPAT	2007/02/06 08:56	
14	BRS	L14	285	7 same pulse\$1	US- PGPUB; USPAT	2007/02/06 08:56	
15	BRS	L15	17	14 same (index\$3 or index\$1)	US- PGPUB; USPAT	2007/02/06 08:57	
16	BRS	L16	23	6 same (pulse near wave)	US- PGPUB; USPAT	2007/02/06 08:58	
17	BRS	L17	0	1 and 16	US- PGPUB; USPAT	2007/02/06 08:57	

Index Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
18 BRS	L18	0	2 and 16	US- PGPUB; USPAT	2007/02/06 08:57	
19 BRS	L19	0	3 and 16	US- PGPUB; USPAT	2007/02/06 08:58	
20 BRS	L20	0	4 and 16	US- PGPUB; USPAT	2007/02/06 08:58	
21 BRS	L21	0	5 and 16	US- PGPUB; USPAT	2007/02/06 08:58	
22 BRS	L22	395	(fingerprint\$3 or biometric\$2) and (pulse near6 wave)	US- PGPUB; USPAT	2007/02/06 09:01	
23 BRS	L23	196	22 and ((person\$4 or individual\$1 or human\$2 or operator\$2 or user\$2 or supervisor\$2 or employee\$3 or travel\$5 or intrud\$3 or terror\$5 or criminal\$2) near10 (true or authentic\$5 or verif\$6 or identit\$4 or identif\$7))	US- PGPUB; USPAT	2007/02/06 09:02	
24 BRS	L24	79	23 and (index\$3 or indices\$1)	US- PGPUB; USPAT	2007/02/06 09:02	
25 BRS	L26	0	2 and 24	US- PGPUB; USPAT	2007/02/06 09:03	

	Type	L #	Hits	SearchText	DBs	Time Stamp	Comments
26	BRS	L27	0	3 and 24	US- PGPUB; USPAT	2007/02/06 09:03	
27	BRS	L28	0	4 and 24	US- PGPUB; USPAT	2007/02/06 09:03	
28	BRS	L29	0	5 and 24	US- PGPUB; USPAT	2007/02/06 09:03	
29	BRS	L25	7	1 and 24	US- PGPUB; USPAT	2007/02/06 09:10	
30	BRS	L30	242	(card\$2 or smartcard\$2 or (smart near1 card\$1)) same (pulse near3 wave)	US- PGPUB; USPAT	2007/02/06 09:11	
31	BRS	L31	8	30 and (biometric\$2 or fingerprint\$3 or finger- print\$3)	US- PGPUB; USPAT	2007/02/06 09:14	
32	BRS	L32	1	"5719950".pn.	US- PGPUB; USPAT	2007/02/06 09:14	
33	BRS	L33	1	32 and card\$2	US- PGPUB; USPAT	2007/02/06 09:15	
34	BRS	L34	1	33 and pulse\$2	US- PGPUB; USPAT	2007/02/06 09:15	

## Refine Search

### Search Results -

Terms	Documents
L6 and wave	0

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L20





### Search History

DATE: Tuesday, February 06, 2007

[Purge Queries](#)
[Printable Copy](#)
[Create Case](#)

**Set**  
**Name Query**  
 side by  
 side

**Hit**  
**Count**  
**Set**  
**Name**  
**result**  
**set**

DB=PGPB; PLUR=YES; OP=ADJ

L1 20050053264.pn.

1

L1

DB=PGPB,USPT; PLUR=YES; OP=ADJ

L2 (person\$4 or individual\$2 or human\$2 or travel\$3 or intrud\$3 or operator\$2 or  
 (card near1 holder\$2) or user\$2) same (biological or biometric\$2 or  
 fingerprint\$3 or finger-print\$3) same (updat\$4 or renew\$4 or modif\$7) same  
 (authentic\$6 or verif\$7 or true or counterf\$5 or illegal or valid\$6 or invalid\$4)

1145

L2

L3 L2 same time

366

L3

L4 L3 same historical

6

L4

L5 L2 same (change\$1 near3 time)

21

L5

DB=USPT; PLUR=YES; OP=ADJ

L6 5719950.pn.

1

L6

L7 L6 and (updat\$4 or renew\$4 or modif\$7)

0

L7

DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ

<u>L8</u>	pulse and wave and (biometric\$2 or fingerprint\$3 or finger-print\$3) and (updat\$4 or renew\$4 or modif\$7) and (verif\$6 or authentic\$6 or valid\$6 or invalid or illegal)	1725	<u>L8</u>
<u>L9</u>	L8 and historical	290	<u>L9</u>
<u>L10</u>	19 and ((person\$4 or individual\$2 or human\$2 or travel\$3 or intrud\$3 or operator\$2 or (card near1 holder\$2) or user\$2) near10 (verif\$6 or authentic\$5 or valid\$5 or invalid\$5 or true or illegal))	192	<u>L10</u>
<u>L11</u>	L10 and (pulse near3 wave)	4	<u>L11</u>
<u>L12</u>	((fingerprint\$3 or biological or biometric\$3 or iris) same (person\$4 or individual\$2 or human\$2 or travel\$3 or intrud\$3 or operator\$2 or (card near1 holder\$2) or user\$2) same (verif\$6 or authentic\$5 or valid\$5 or invalid\$5 or true or illegal) same (compar\$6 or match\$3 or collat\$4)	5688	<u>L12</u>
<u>L13</u>	L12 same (updat\$4 or renew\$4 or modif\$6)	320	<u>L13</u>
<u>L14</u>	L13 same (age\$1 or aging or (change near3 time))	10	<u>L14</u>
<u>L15</u>	L13 and (pulse near5 wave)	1	<u>L15</u>
<u>L16</u>	L12 and (pulse near5 wave)	55	<u>L16</u>
<u>L17</u>	L16 and time	54	<u>L17</u>
<u>L18</u>	((updat\$4 or modif\$6 or renew\$4) near10 (historical or profile)) same (fingerprint\$3 or biometric\$2) same (compar\$4 or match\$4 or collat\$4)	19	<u>L18</u>
<u>L19</u>	(updat\$4 or renew\$6 or modif\$6) with (physiological or (pulse near2 wave))	6615	<u>L19</u>
	<i>DB=USPT; PLUR=YES; OP=ADJ</i>		
<u>L20</u>	16 and wave	0	<u>L20</u>

END OF SEARCH HISTORY